IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A recording apparatus comprising:

encoding means for encoding an input content;

format organizing means for dividing content information resulted from encoding of the input content by the encoding means into access blocks each including a succession of frames and generating ~~management~~ header information for the content information; and

writing means for writing the content data in units of an access block into a contiguous data area of a recording medium while writing the ~~management~~ header information into a contiguous ~~management~~ header area of the recording medium,

the format organizing means generates the access block so that a leading one of the frames of each access block is a base point of decoding subsequent frames, and also generates ~~recording-position information and output-time information for each frame~~ (1) access block size information for each access block and an output-time for a leading frame, and (2) a size information and output-time information for frames other than the leading frame; and

the writing means writes [[an]] the access block size information ~~of the recording-position information~~ for each access block and the output-time information for the leading frame into the ~~management~~ header area, and writes [[a]] the size information ~~of the recording-position information~~ and the output-time information for the frames other than the leading frame of each access block along with each access block into the data area.

Claim 2 (Currently Amended): A recording medium in which encoded content information is to be recorded, the recording medium including:

a contiguous data area in which the content information is recorded in units of an access block each including a succession of frames; and

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a contiguous ~~management~~ header area in which ~~management~~ header information for

the content information is to be recorded,

the leading one of the frames of each access block being taken as the base point of

decoding subsequent frames, [[;]]

the ~~management~~ header area having recorded therein access block size information ~~of~~

~~the recording-position information~~ for each access block and output-time information for the

leading frame of each access block, [[;]] and

the data area having recorded therein size information ~~of the recording-position~~

~~information~~ for frames other than the leading [[one]] frame and output-time information for

the frames other than the leading ~~one~~ frame along with each access block.

Claim 3 (Currently Amended): A reproducing apparatus for playing a recording

medium having encoded content information recorded therein, the apparatus comprising:

reading means for reading data recorded in the recording medium;

storage means for storing ~~management~~ header information read from the recording

medium;

decoding means for decoding content information read from the recording medium

and outputting content; and

controlling means for controlling the reading and outputting of content information,

the recording medium including a contiguous data area in which content information

is recorded in units of an access block including a succession of frames, and a contiguous

~~management~~ header area in which ~~management~~ header information for the content

information is recorded, [[the]] wherein

a leading frame of the access block ~~being~~ is taken as a base point of decoding

subsequent frames,

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access block size information ~~of recording-position information~~ for each access block

and output-time information for [[the]] a leading ~~block~~ frame of each access block ~~being~~ is

recorded in the ~~management~~ header area, and

size information ~~of recording-position information~~ for frames other than the leading

[[one]] frame and output-time information for the frames other than the leading one ~~being~~ is

recorded along with each access block in the data area, [[;]]

the controlling means functioning to:

read ~~recording-position information~~ the access block size information for each access

block and the output-time information for the leading frame of each access block, which is

pre-recorded in the ~~management~~ header area, before reading content information recorded in

the data area and storing the ~~recording-position information~~ access block size information and

the output-time information into the storage means; [[,]]

identify, for reproducing the leading frame of the access block, the recording position

of the reading frame on the basis of ~~recording-position information~~ the access block size

information for the access block and the output-time information for the leading frame of

each access block, stored in the storage means; and

read, for reproducing a frame other than the leading frame of the access block,

~~recording-position information~~ the access block size information and the output-time

information for the object frame from the data area of the recording medium on the basis of

~~recording-position information~~ the access block size information for an access block

including the object frame stored in the storage means to identify the recording position and

output time of the object frame on the basis of the read ~~recording-position information~~ access

block size information and output-time information.

Claim 4 (Currently Amended): A recording method comprising the steps of:

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encoding an input content;

dividing information ~~resulted~~ resulting from encoding [[of]] the input content into

access blocks, each including a succession of frames of which [[the]] a leading [[one]] frame

is taken as a base point of decoding subsequent frames;

generating, for each access block, ~~recording-position information~~ access block size

information and output-time information for ~~each~~ the leading frame;

generating, for each access block, size information and output-time information for

frames other than the leading frame;

writing the content information in units of an access block into a contiguous data area

of a recording medium;

writing the access block size information ~~of recording-position information~~ for each

access block and the output-time information for the leading frame into a contiguous

~~management~~ header area of the recording medium; and

writing size information ~~of recording-position information~~ and output-time

information for frames other than the leading frame of each access block along with each

access block into the data area.

Claim 5 (Currently Amended): A reproducing method of reproducing content

information, in which content information is read from a recording medium and output

~~outputted~~, the recording medium including a contiguous data area in which content

information is recorded in units of an access block including a succession of frames, and a

contiguous ~~management~~ header area in which ~~management~~ header information for the

content information is recorded, [[the]] a leading frame of the access block being taken as a

base point of decoding, ~~recording-position information~~ access block size information for each

access block and output-time information for the leading ~~block~~ frame of each access block

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being recorded in the ~~management~~ header area, ~~recording-position information~~ size

information for frames other than the leading ~~one~~ frame and output-time information for the

frames other than the leading one being recorded along with each access block in the data

area, the method comprising ~~the steps of~~:

reading, by a medium drive, the access block size information ~~of the recording-~~

~~position information~~ for each access block and the output-time information for the leading

frame of each access block, pre-recorded in the ~~management~~ header area, before reading

content information recorded in the data area and storing the ~~recording-position information~~

access block size information and output-time information into a memory [[,]] ;

identifying, for reproducing the leading frame of the access block, the recording

position of the ~~reading~~ leading frame on the basis of ~~recording-position information~~ the

access block size information for the access block and the output-time information for the

leading frame of each access block, stored in the memory; and

reading, for reproducing [[a]] an object frame other than the leading frame of the

access block, the size information ~~of recording-position information~~ and the output-time

information for the object frame from the data area of the recording medium by the medium

drive on the basis of ~~recording-position information~~ read access block size information for

[[an]] the access block including the object frame stored in the memory to identify [[the]] a

recording position and output time of the object frame on the basis of the read ~~recording-~~

~~position information~~ access block size information and output-time information.